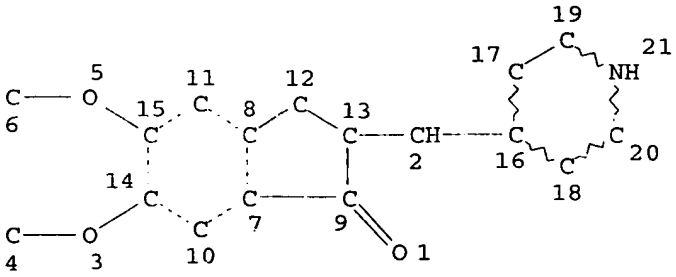
=> d l4
L4 HAS NO ANSWERS
L4 STR



NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 21

STEREO ATTRIBUTES: NONE

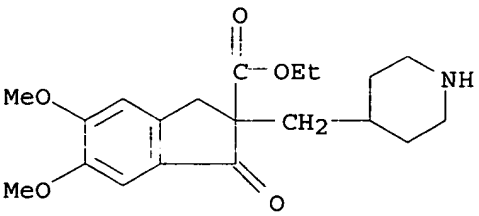
=> s l4 ful
FULL SEARCH INITIATED 13:14:11 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 386 TO ITERATE

100.0% PROCESSED 386 ITERATIONS 8 ANSWERS
SEARCH TIME: 00.00.01

L6 8 SEA SSS FUL L4

=> d 1-8

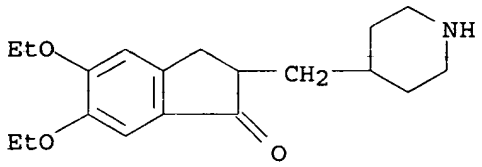
L6 ANSWER 1 OF 8 REGISTRY COPYRIGHT 2005 ACS on STN
RN 652130-43-3 REGISTRY
CN 1H-Indene-2-carboxylic acid, 2,3-dihydro-5,6-dimethoxy-1-oxo-2-(4-piperidinylmethyl)-, ethyl ester (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C20 H27 N O5
SR CA
LC STN Files: CA, CAPLUS, CASREACT, USPAT2, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: PREP (Preparation); RACT (Reactant or reagent)



**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

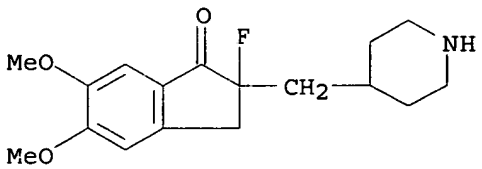
L6 ANSWER 2 OF 8 REGISTRY COPYRIGHT 2005 ACS on STN
RN 571144-62-2 REGISTRY
CN 1H-Inden-1-one, 5,6-diethoxy-2,3-dihydro-2-(4-piperidinylmethyl)- (9CI) (CA INDEX NAME)
OTHER NAMES:
CN 4-[(5,6-Diethoxy-1-oxoindan-2-yl)methyl]piperidine
FS 3D CONCORD
MF C19 H27 N O3
SR CA
LC STN Files: CA, CAPLUS
DT.CA CAplus document type: Patent
RL.P Roles from patents: PREP (Preparation); RACT (Reactant or reagent)




**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L6 ANSWER 3 OF 8 REGISTRY COPYRIGHT 2005 ACS on STN
RN 382144-76-5 REGISTRY
CN 1H-Inden-1-one, 2-fluoro-2,3-dihydro-5,6-dimethoxy-2-(4-piperidinylmethyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C17 H22 F N O3
CI COM
SR CA
LC STN Files: CA, CAPLUS, CASREACT, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

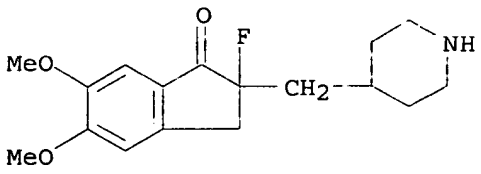



**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**

2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L6 ANSWER 4 OF 8 REGISTRY COPYRIGHT 2005 ACS on STN
RN 382144-72-1 REGISTRY
CN 1H-Inden-1-one, 2-fluoro-2,3-dihydro-5,6-dimethoxy-2-(4-piperidinylmethyl)-, hydrochloride (9CI) (CA INDEX NAME)
MF C17 H22 F N O3 . Cl H

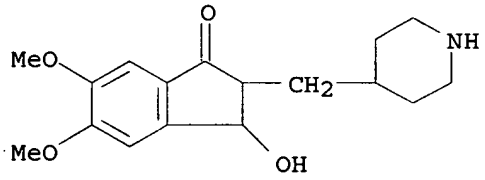
SR CA
LC STN Files: CA, CAPLUS, CASREACT, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
CRN (382144-76-5)




● HCl

2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L6 ANSWER 5 OF 8 REGISTRY COPYRIGHT 2005 ACS on STN
RN 254886-18-5 REGISTRY
CN 1H-Inden-1-one, 2,3-dihydro-3-hydroxy-5,6-dimethoxy-2-(4-piperidinylmethyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C17 H23 N O4
SR CA
LC STN Files: CA, CAPLUS
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: BIOL (Biological study); FORM (Formation, nonpreparative); PROC (Process)

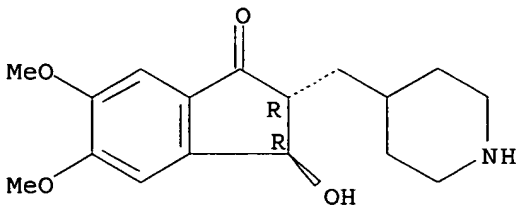



**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L6 ANSWER 6 OF 8 REGISTRY COPYRIGHT 2005 ACS on STN
RN 220170-70-7 REGISTRY
CN 1H-Inden-1-one, 2,3-dihydro-3-hydroxy-5,6-dimethoxy-2-(4-piperidinylmethyl)-, (2R,3R)-rel- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C17 H23 N O4
SR CA
LC STN Files: CA, CAPLUS
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: BIOL (Biological study); FORM (Formation, nonpreparative); PROC (Process)

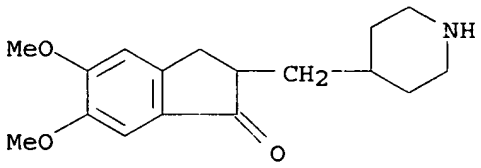
Relative stereochemistry.




**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

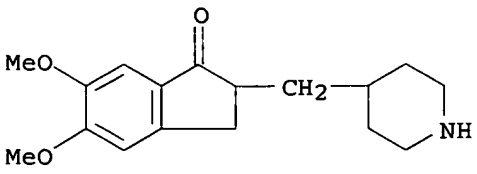
L6 ANSWER 7 OF 8 REGISTRY COPYRIGHT 2005 ACS on STN
RN 120014-30-4 REGISTRY
CN 1H-Inden-1-one, 2,3-dihydro-5,6-dimethoxy-2-(4-piperidinylmethyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
DR 147427-76-7
MF C17 H23 N O3
CI COM
SR CA
LC STN Files: CA, CAPLUS, CASREACT, TOXCENTER, USPATFULL
DT.CA CAplus document type: Journal; Patent
RL.P Roles from patents: PREP (Preparation); RACT (Reactant or reagent)
RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)




**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**

24 REFERENCES IN FILE CA (1907 TO DATE)
24 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L6 ANSWER 8 OF 8 REGISTRY COPYRIGHT 2005 ACS on STN
RN 120013-39-0 REGISTRY
CN 1H-Inden-1-one, 2,3-dihydro-5,6-dimethoxy-2-(4-piperidinylmethyl)-, hydrochloride (9CI) (CA INDEX NAME)
MF C17 H23 N O3 . Cl H
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL
DT.CA CAplus document type: Journal; Patent
RL.P Roles from patents: PREP (Preparation); RACT (Reactant or reagent)
RL.NP Roles from non-patents: BIOL (Biological study); PREP (Preparation)
CRN (120014-30-4)




● HCl

**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**

4 REFERENCES IN FILE CA (1907 TO DATE)
4 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> fil caplus

| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|---|---|---|
| FULL ESTIMATED COST | 196.17 | 209.22 |

FILE 'CAPLUS' ENTERED AT 13:14:48 ON 24 FEB 2005

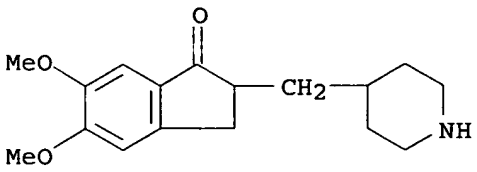

FILE COVERS 1907 - 24 Feb 2005 VOL 142 ISS 9
FILE LAST UPDATED: 23 Feb 2005 (20050223/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l6
L7 27 L6

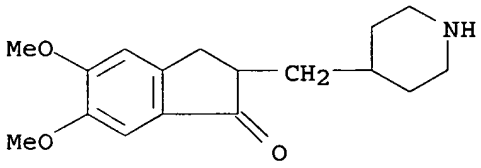
=> d hitstr 27

L7 ANSWER 27 OF 27 CAPLUS COPYRIGHT 2005 ACS on STN
IT **120013-39-0P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, as acetylcholinesterase inhibitor)
RN 120013-39-0 CAPLUS
CN 1H-Inden-1-one, 2,3-dihydro-5,6-dimethoxy-2-(4-piperidinylmethyl)-, hydrochloride (9CI) (CA INDEX NAME)



● HCl

IT 120014-30-4
RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, in preparation of acetylcholinesterase inhibitors)
RN 120014-30-4 CAPLUS
CN 1H-Inden-1-one, 2,3-dihydro-5,6-dimethoxy-2-(4-piperidinylmethyl)- (9CI)
(CA INDEX NAME)



=> fil casreact
COST IN U.S. DOLLARS

| | SINCE FILE ENTRY | TOTAL SESSION |
|---|---|---|
| FULL ESTIMATED COST | 2.74 | 211.96 |

FILE 'CASREACT' ENTERED AT 13:15:33 ON 24 FEB 2005
USE IS SUBJECT TO THE TERMS OF YOUR CUSTOMER AGREEMENT


FILE CONTENT:1840 - 20 Feb 2005 VOL 142 ISS 8

**********
*
* CASREACT now has more than 8 million reactions *
*
**********

Some CASREACT records are derived from the ZIC/VINITI database (1974-1991) provided by InfoChem, INPI data prior to 1986, and Biotransformations database compiled under the direction of Professor Dr. Klaus Kieslich.

This file contains CAS Registry Numbers for easy and accurate substance identification.

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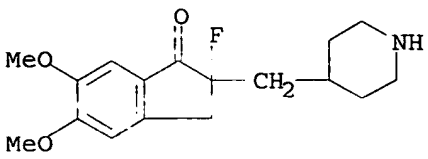
L8 5 L6

=> d 5

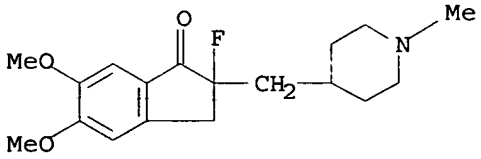
L8 ANSWER 5 OF 5 CASREACT COPYRIGHT 2005 ACS on STN

RX(1) OF 26



HCO2H, HCHO, Water

HCl



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REF: PCT Int. Appl., 2001098271, 27 Dec 2001
NOTE: 80.degree., 3 h

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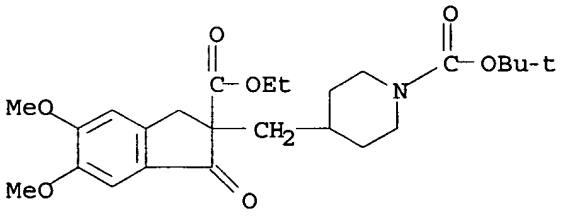
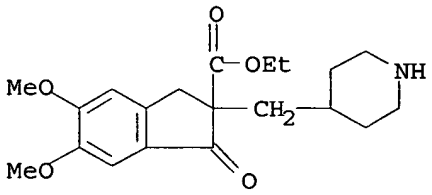
L8 ANSWER 4 OF 5 CASREACT COPYRIGHT 2005 ACS on STN

RX(4) OF 28



F3CCO2H, CH2Cl2



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REF: Eur. Pat. Appl., 1386607, 04 Feb 2004

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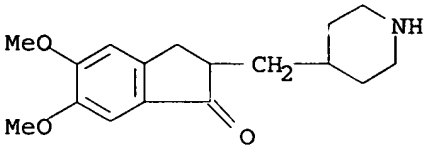
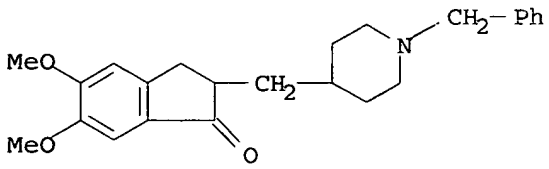
L8 ANSWER 3 OF 5 CASREACT COPYRIGHT 2005 ACS on STN

RX(1) OF 6




(step 1)

1. PhCH2Br, Na2CO3, EtOH
2. Water

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REF: U.S. Pat. Appl. Publ., 2004143121, 22 Jul 2004

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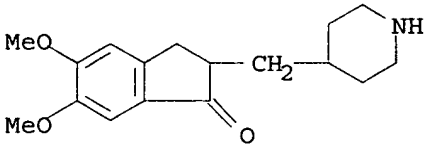
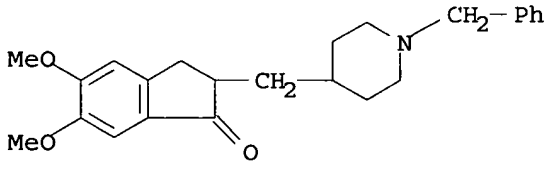
L8 ANSWER 2 OF 5 CASREACT COPYRIGHT 2005 ACS on STN

RX(1) OF 3




(step 1)

1. PhCH2Br, Et3N, CH2Cl2
2. HCl, MeOH




HCl
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REF: U.S. Pat. Appl. Publ., 2004158070, 12 Aug 2004

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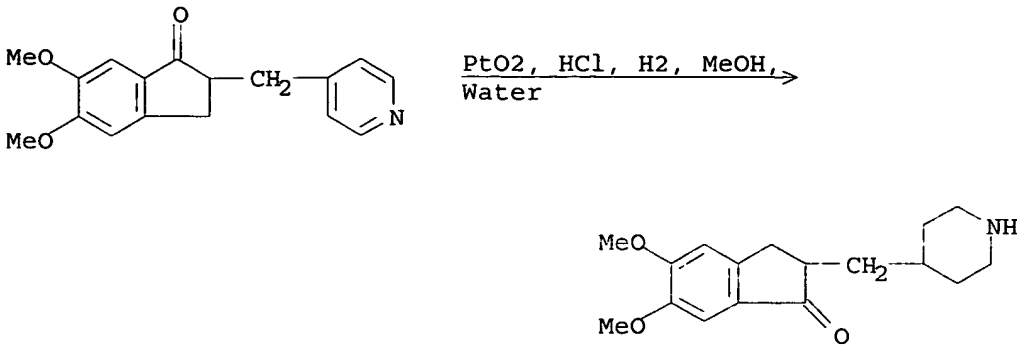
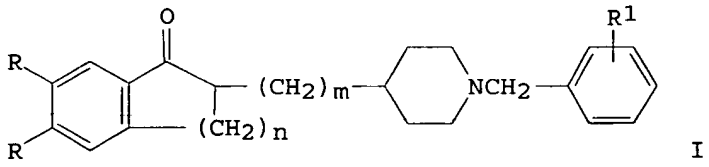
L8 ANSWER 1 OF 5 CASREACT COPYRIGHT 2005 ACS on STN

RX(2) OF 10




REF: PCT Int. Appl., 2004082685, 30 Sep 2004

AN 1993:560046 CAPLUS
DN 119:160046
TI Synthesis and anti-acetylcholinesterase activity of 1-benzyl-4-[(5,6-dimethoxy-1-indanon-2-yl)methyl]piperidine hydrochloride (E2020) and related compounds
AU Sugimoto, Hachiro; Iimura, Youichi; Yamanishi, Yoshiharu; Yamatsu, Kiyomi
CS Tsukuba Res. Lab., Eisai Co., Ltd., Tsukuba, 300-26, Japan
SO Bioorganic & Medicinal Chemistry Letters (1992), 2(8), 871-6
CODEN: BMCLE8; ISSN: 0960-894X
DT Journal
LA English
GI



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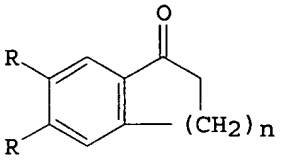

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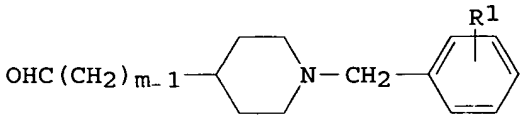
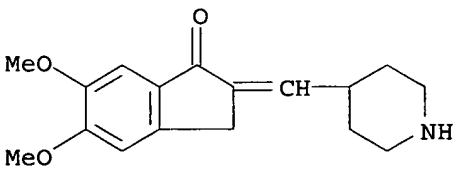


III

AB Title compds., e.g., I (R = H, MeO; R1 = H, 2-Me, 3-Me, 4-Me, 2-O2N, 3-O2N, 4-O2N; n = 1, 2, 3; m = 0, 1, 2) were prepared via condensation of indanone and analogs II with formylalkylpiperidines III. Evaluation of the prepared compds. for the title activity found I (R = MeO, R1 = H, n = 1, m = 1) is a selective inhibitor of acetylcholinesterase (IC50 = 5.7 nM), which exhibits a long duration of action in comparison with other cholinesterase inhibitors.

IT **149874-91-9**
RL: RCT (Reactant); RACT (Reactant or reagent)
(hydrogenation of)

RN 149874-91-9 CAPLUS
CN 1H-Inden-1-one, 2,3-dihydro-5,6-dimethoxy-2-(4-piperidinylmethylene)-(9CI) (CA INDEX NAME)



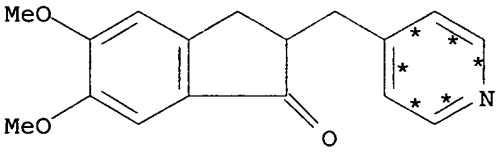
AN 141:314158 CASREACT
TI Process for the preparation of donepezil and derivatives thereof
IN Kumar, Yatendra; Prasad, Mohan; Nath, Asok; Maheshwari, Nitin
PA Ranbaxy Laboratories Limited, India
SO PCT Int. Appl., 25 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|---|---|---|---|
| PI WO 2004082685 | A1 | 20040930 | WO 2004-IB843 | 20040322 |

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRAI IN 2003-DE352 20030321
OS MARPAT 141:314158
RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

RX(2) OF 10 ...B ===> G...




B

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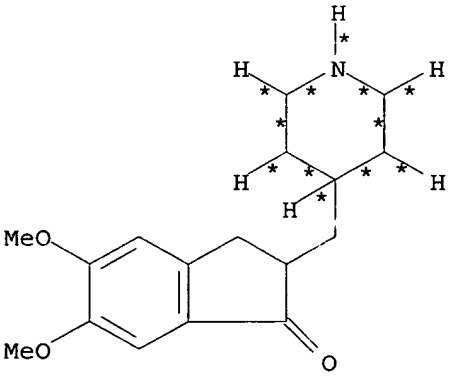
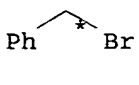



G

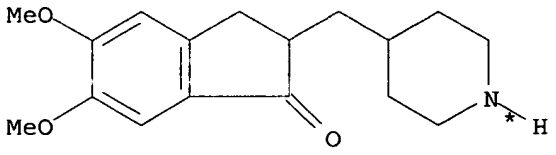
RX(2) RCT B 4803-57-0

RGT H 7647-01-0 HCl, C 1333-74-0 H2
PRO G **120014-30-4**
CAT 1314-15-4 PtO2
SOL 67-56-1 MeOH, 7732-18-5 Water

RX(3) OF 10 ...K + **G** ===> L




K




G

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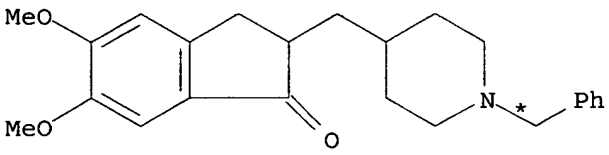



● HCl

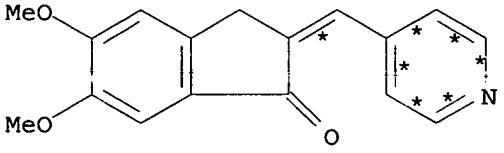
L

RX(3) RCT K 100-39-0, G **120014-30-4**

STAGE(1)
RGT M 584-08-7 K2CO3, N 1643-19-2 Bu4N.Br
SOL 75-09-2 CH2Cl2, 7732-18-5 Water

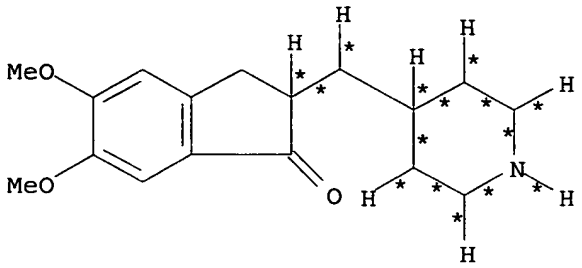
STAGE(2)
RGT H 7647-01-0 HCl
SOL 7732-18-5 Water
PRO L 120011-70-3

RX(5) OF 10 COMPOSED OF RX(1), RX(2)
RX(5) A ===> **G**




A

2 STEPS ⟶

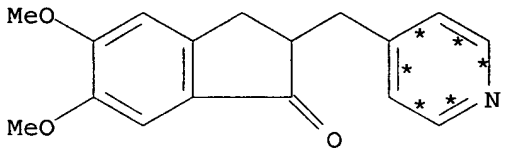


G

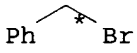
RX(1) RCT A 4803-74-1
RGT C 1333-74-0 H2
PRO B 4803-57-0
CAT 7440-05-3 Pd
SOL 67-56-1 MeOH, 75-09-2 CH2Cl2

RX(2) RCT B 4803-57-0
RGT H 7647-01-0 HCl, C 1333-74-0 H2
PRO G **120014-30-4**
CAT 1314-15-4 PtO2
SOL 67-56-1 MeOH, 7732-18-5 Water

RX(6) OF 10 COMPOSED OF RX(2), RX(3)
RX(6) B + K ===> L

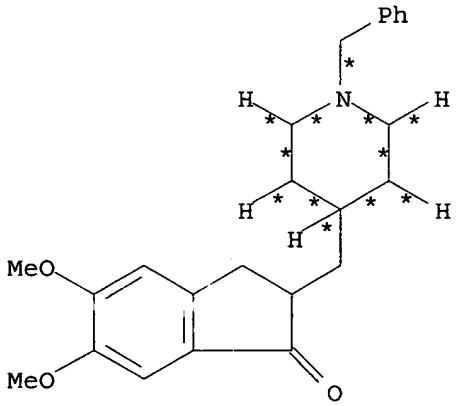


B



K

2
STEPS



● HCl

L

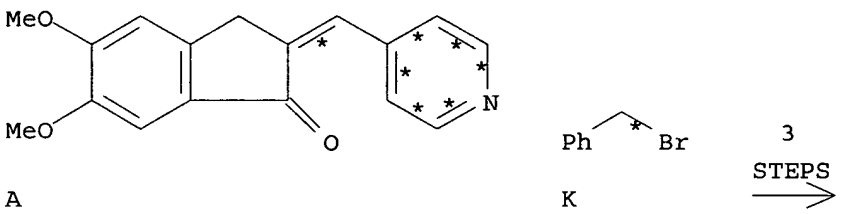
RX(2) RCT B 4803-57-0
RGT H 7647-01-0 HCl, C 1333-74-0 H2
PRO G **120014-30-4**
CAT 1314-15-4 PtO2
SOL 67-56-1 MeOH, 7732-18-5 Water

RX(3) RCT K 100-39-0, G 120014-30-4

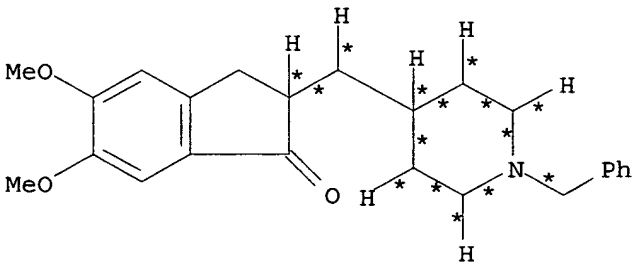
STAGE(1)
RGT M 584-08-7 K2CO3, N 1643-19-2 Bu4N.Br
SOL 75-09-2 CH2Cl2, 7732-18-5 Water

STAGE(2)
RGT H 7647-01-0 HCl
SOL 7732-18-5 Water
PRO L 120011-70-3

RX(8) OF 10 COMPOSED OF RX(1), RX(2), RX(3)
RX(8) A + K ===> L




A K




● HCl

L

RX(1) RCT A 4803-74-1
RGT C 1333-74-0 H2
PRO B 4803-57-0
CAT 7440-05-3 Pd
SOL 67-56-1 MeOH, 75-09-2 CH2Cl2

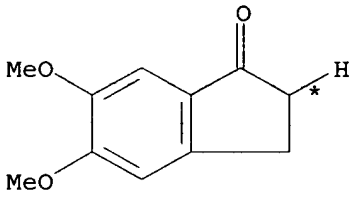
RX(2) RCT B 4803-57-0
RGT H 7647-01-0 HCl, C 1333-74-0 H2
PRO G **120014-30-4**
CAT 1314-15-4 PtO2
SOL 67-56-1 MeOH, 7732-18-5 Water

RX(3) RCT K 100-39-0, G 120014-30-4

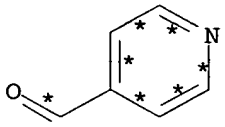
STAGE(1)
RGT M 584-08-7 K2CO3, N 1643-19-2 Bu4N.Br
SOL 75-09-2 CH2Cl2, 7732-18-5 Water

STAGE(2)
RGT H 7647-01-0 HCl
SOL 7732-18-5 Water
PRO L 120011-70-3

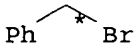
RX(9) OF 10 COMPOSED OF RX(4), RX(1), RX(2), RX(3)
RX(9) O + P + K ===> L



O

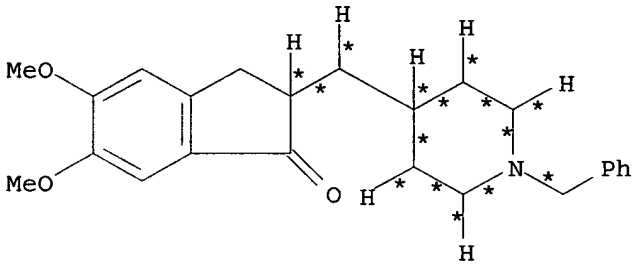


P



K

4
STEPS



● HCl

L

RX(4) RCT O 2107-69-9, P 872-85-5
RGT Q 104-15-4 TsOH
PRO A 4803-74-1
SOL 108-88-3 PhMe

RX(1) RCT A 4803-74-1
RGT C 1333-74-0 H2
PRO B 4803-57-0
CAT 7440-05-3 Pd
SOL 67-56-1 MeOH, 75-09-2 CH2Cl2

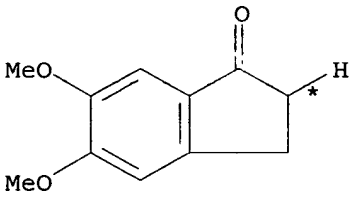
RX(2) RCT B 4803-57-0
RGT H 7647-01-0 HCl, C 1333-74-0 H2
PRO G **120014-30-4**
CAT 1314-15-4 PtO2
SOL 67-56-1 MeOH, 7732-18-5 Water

RX(3) RCT K 100-39-0, G 120014-30-4

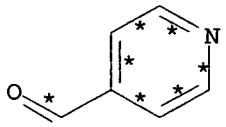
STAGE(1)
RGT M 584-08-7 K2CO3, N 1643-19-2 Bu4N.Br
SOL 75-09-2 CH2Cl2, 7732-18-5 Water

STAGE(2)
RGT H 7647-01-0 HCl
SOL 7732-18-5 Water
PRO L 120011-70-3

RX(10) OF 10 COMPOSED OF RX(4), RX(1), RX(2)
RX(10) O + P ===> **G**

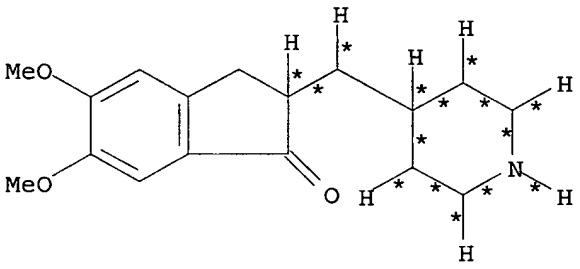


O



P

3 STEPS



G

RX(4) RCT O 2107-69-9, P 872-85-5
RGT Q 104-15-4 TsOH
PRO A 4803-74-1
SOL 108-88-3 PhMe

RX(1) RCT A 4803-74-1
RGT C 1333-74-0 H2
PRO B 4803-57-0
CAT 7440-05-3 Pd
SOL 67-56-1 MeOH, 75-09-2 CH2Cl2

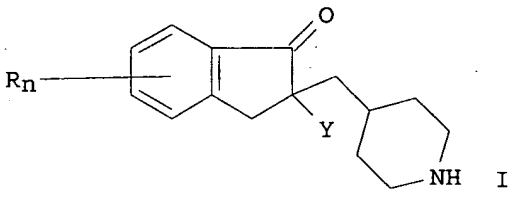
RX(2) RCT B 4803-57-0
RGT H 7647-01-0 HCl, C 1333-74-0 H2
PRO G **120014-30-4**
CAT 1314-15-4 PtO2
SOL 67-56-1 MeOH, 7732-18-5 Water

AN 2005:29309 CAPLUS
DN 142:113913
TI Catalytic hydrogenation process for the preparation of intermediates for acetyl cholinesterase inhibitors
IN Reddy, Bandi Parthasaradhi; Reddy, Kura Rathnakar; Reddy, Rapolu Raji; Reddy, Dasari Muralidhara
PA Hetero Drugs Limited, India
SO PCT Int. Appl., 16 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

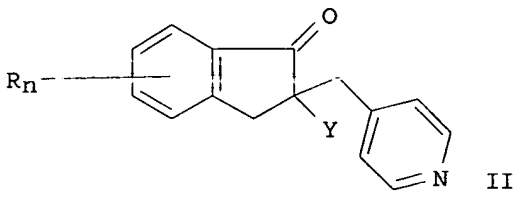
| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|---|---|---|---|
| PI WO 2005003092 | A1 | 20050113 | WO 2003-IN232 | 20030701 |

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRAI WO 2003-IN232 20030701
GI



I



II

AB A simple industrial process for the preparation of the intermediates of acetyl cholinesterase inhibitors [I; R = H, lower alkoxy; Y = H, F; n = 1-4; e.g., 4-[(5,6-dimethoxy-1-indanon)-2-yl]methylpiperidine hydrochloride] is described which comprises the hydrogenation of the corresponding 4-pyridyl

analog prepared by hydrogenated using a platinum oxide, Pt/C, raney nickel, or ruthenium oxide catalyst in the presence of an acid (e.g., aqueous HCl) under a pressure of 1-10 bars to give the 4-piperidinyl intermediate [II; e.g., 5,6-dimethoxy-2-(4-pyridyl)methyl-1-indanone].

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

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L9 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN

IT 7440-05-3, **Palladium**, uses 11113-84-1, Ruthenium oxide 11129-89-8, Platinum oxide
RL: CAT (Catalyst use); USES (Uses)
(catalytic hydrogenation process for the preparation of intermediates for acetyl cholinesterase inhibitors)

IT **120014-30-4P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(catalytic hydrogenation process for the preparation of intermediates for acetyl cholinesterase inhibitors)